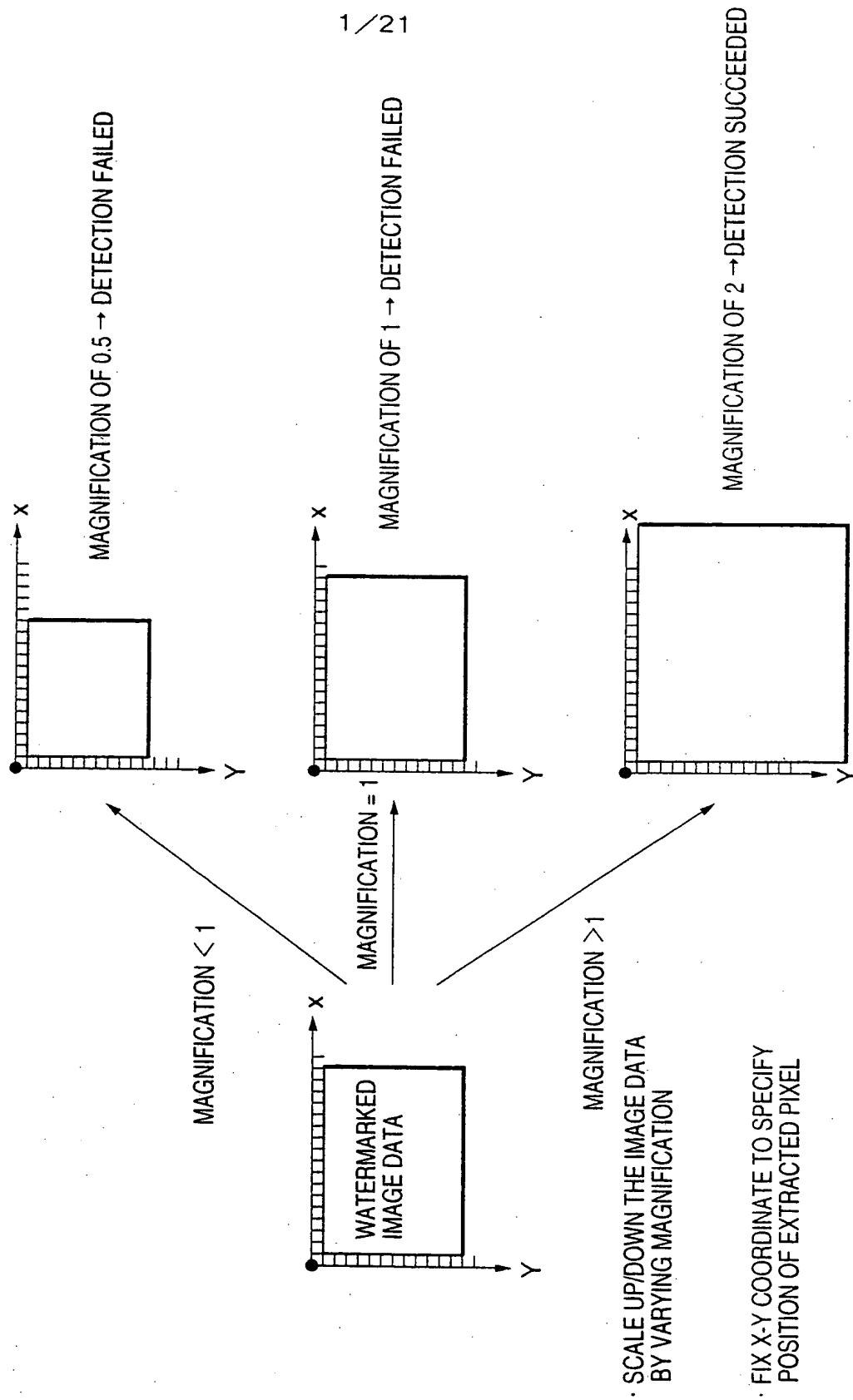


FIG. 1



**FIG. 2**

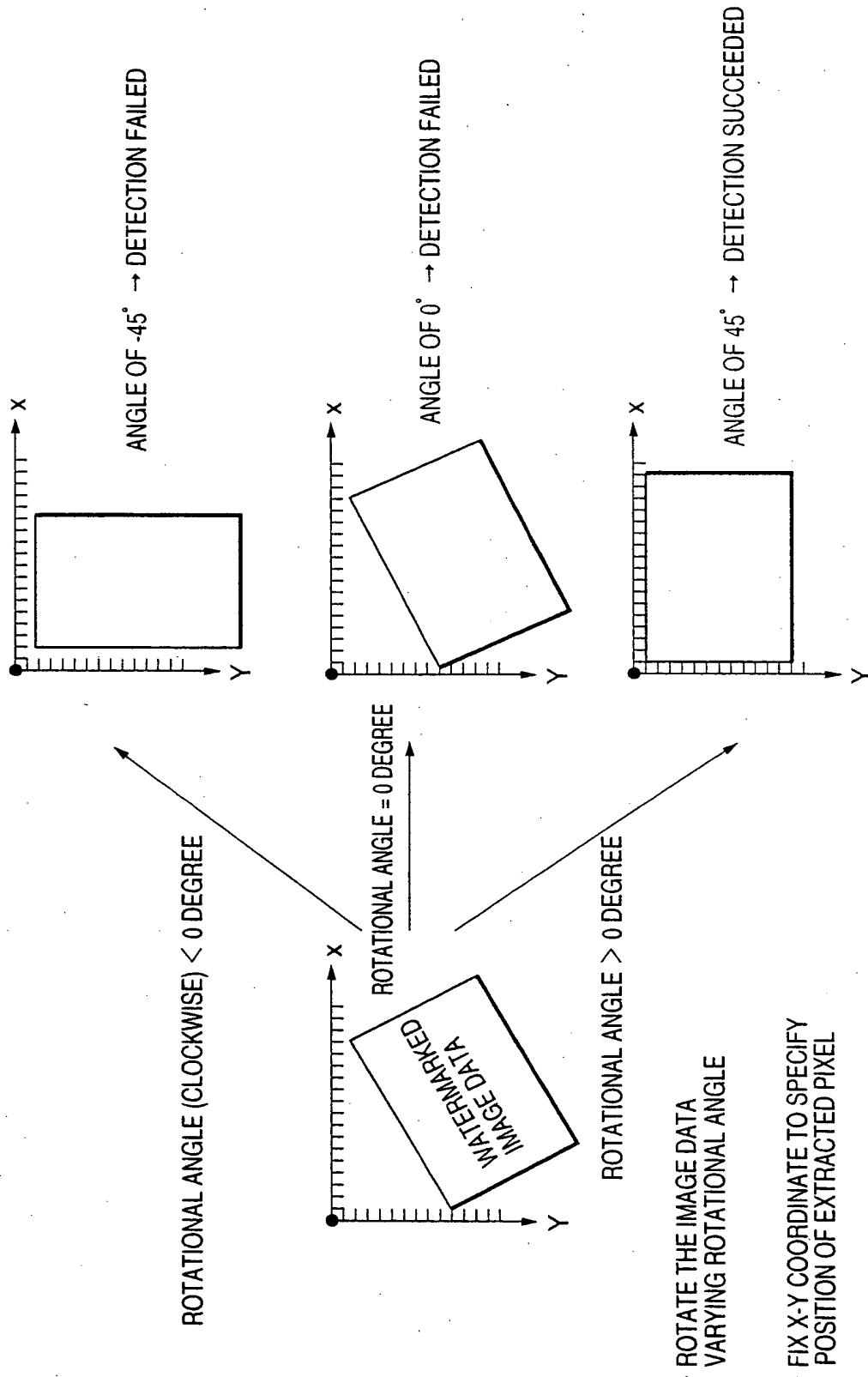


FIG. 3

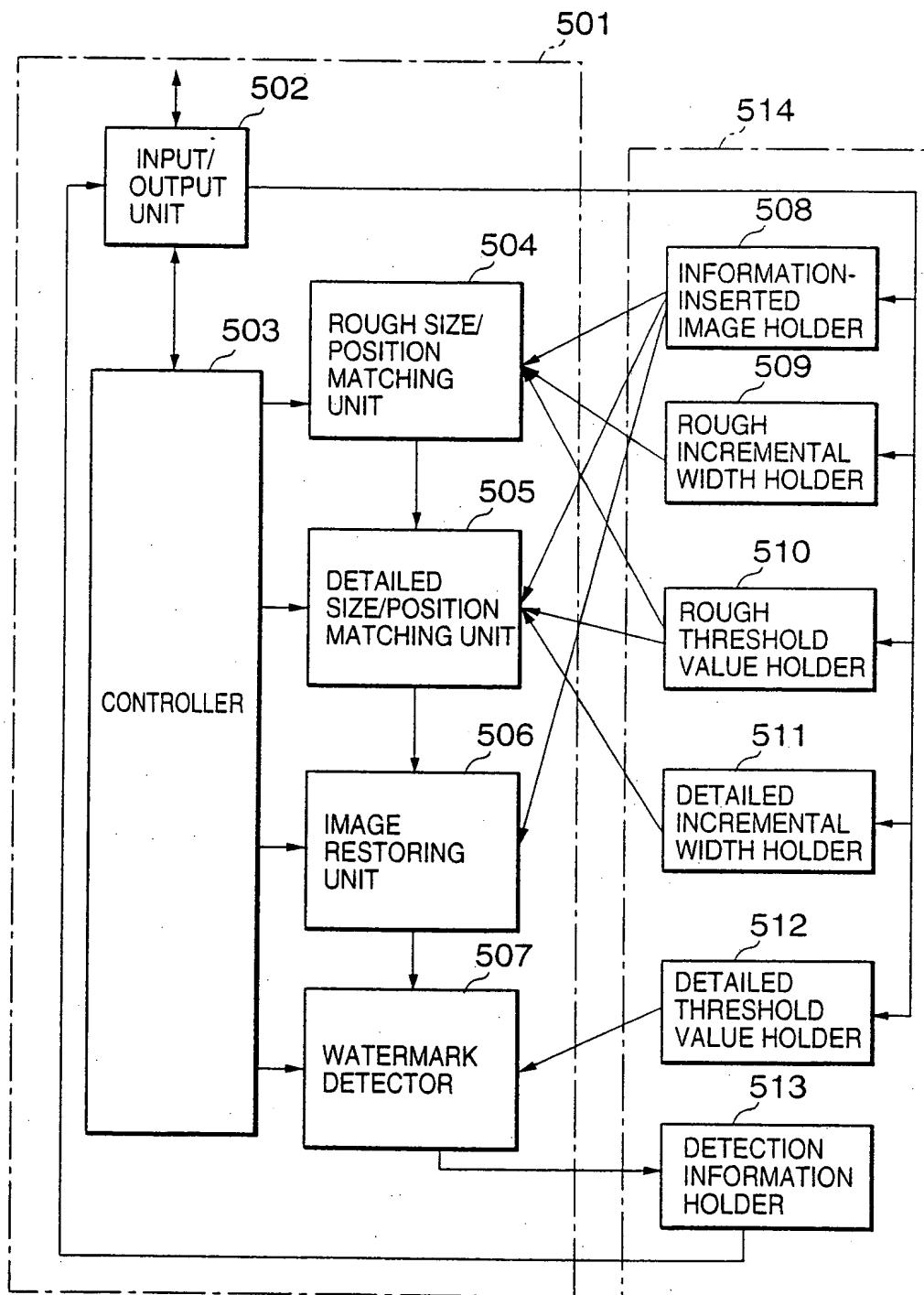


FIG. 4

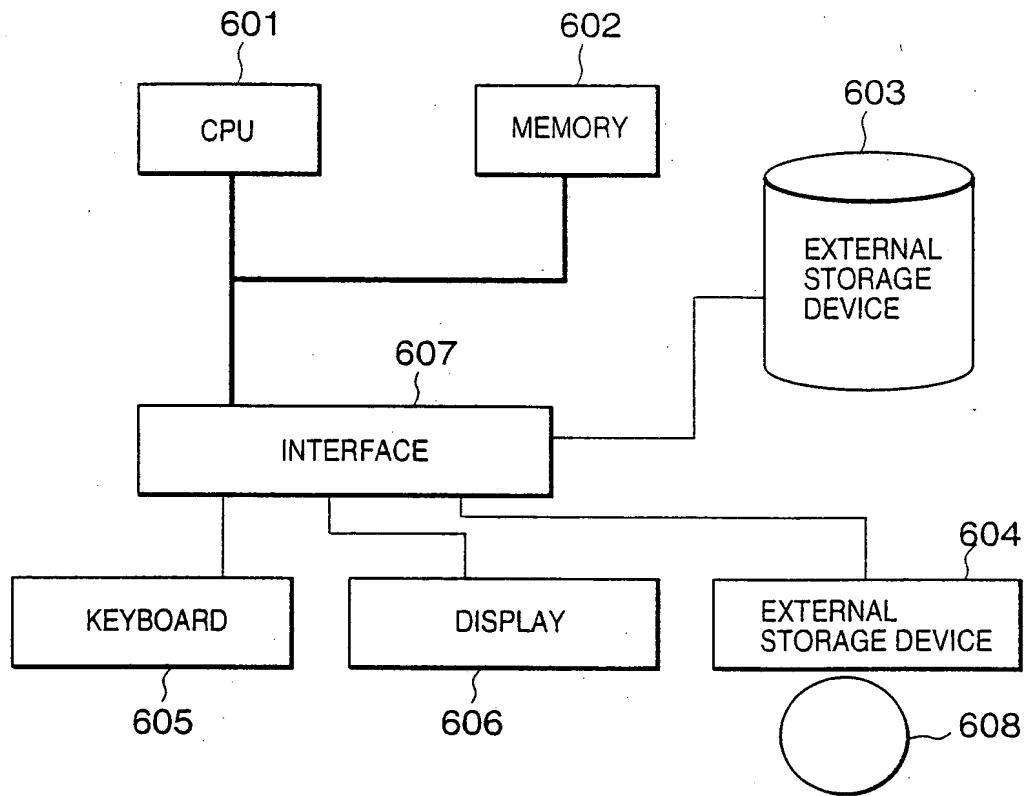


FIG. 5

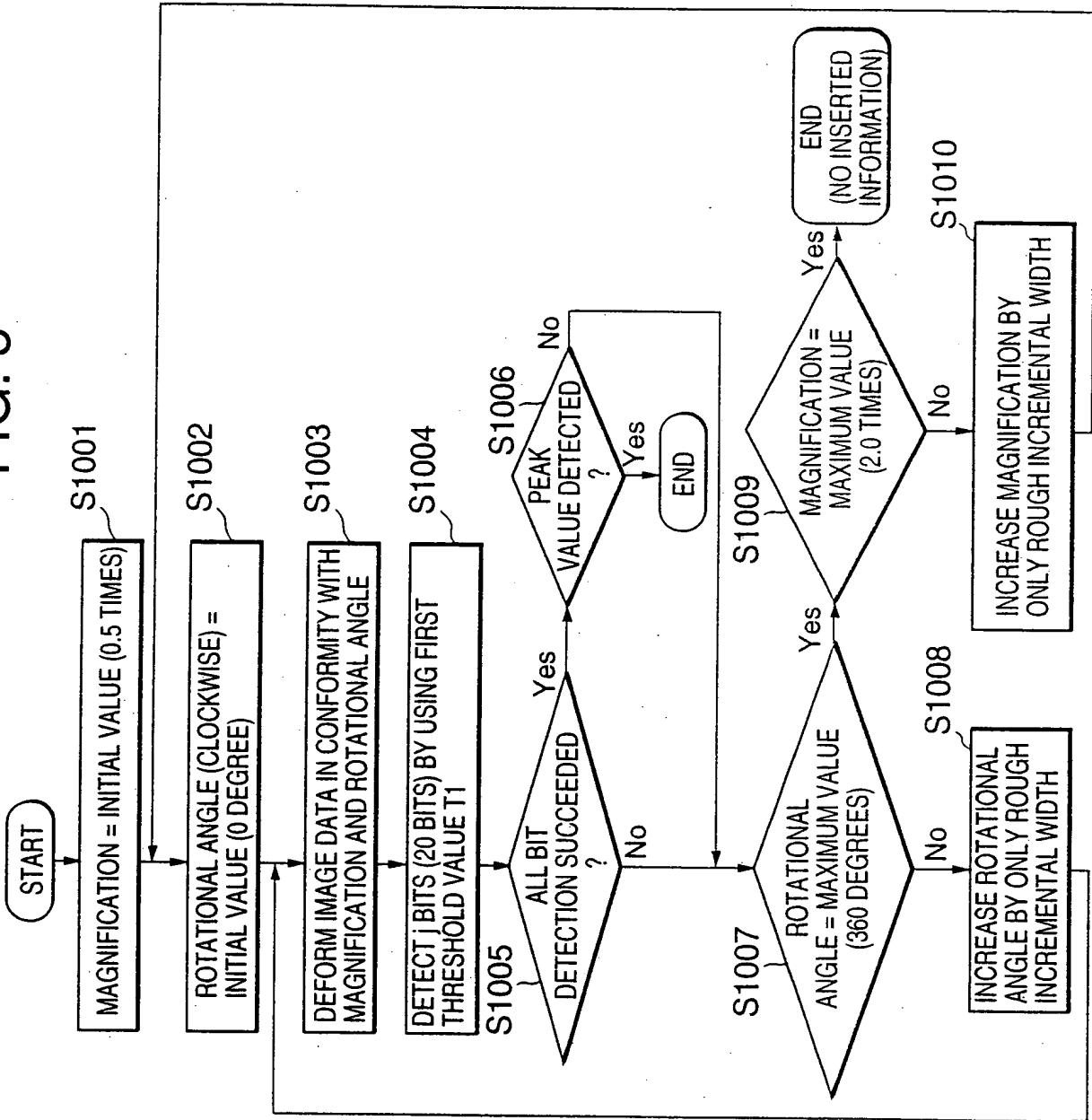


FIG. 6

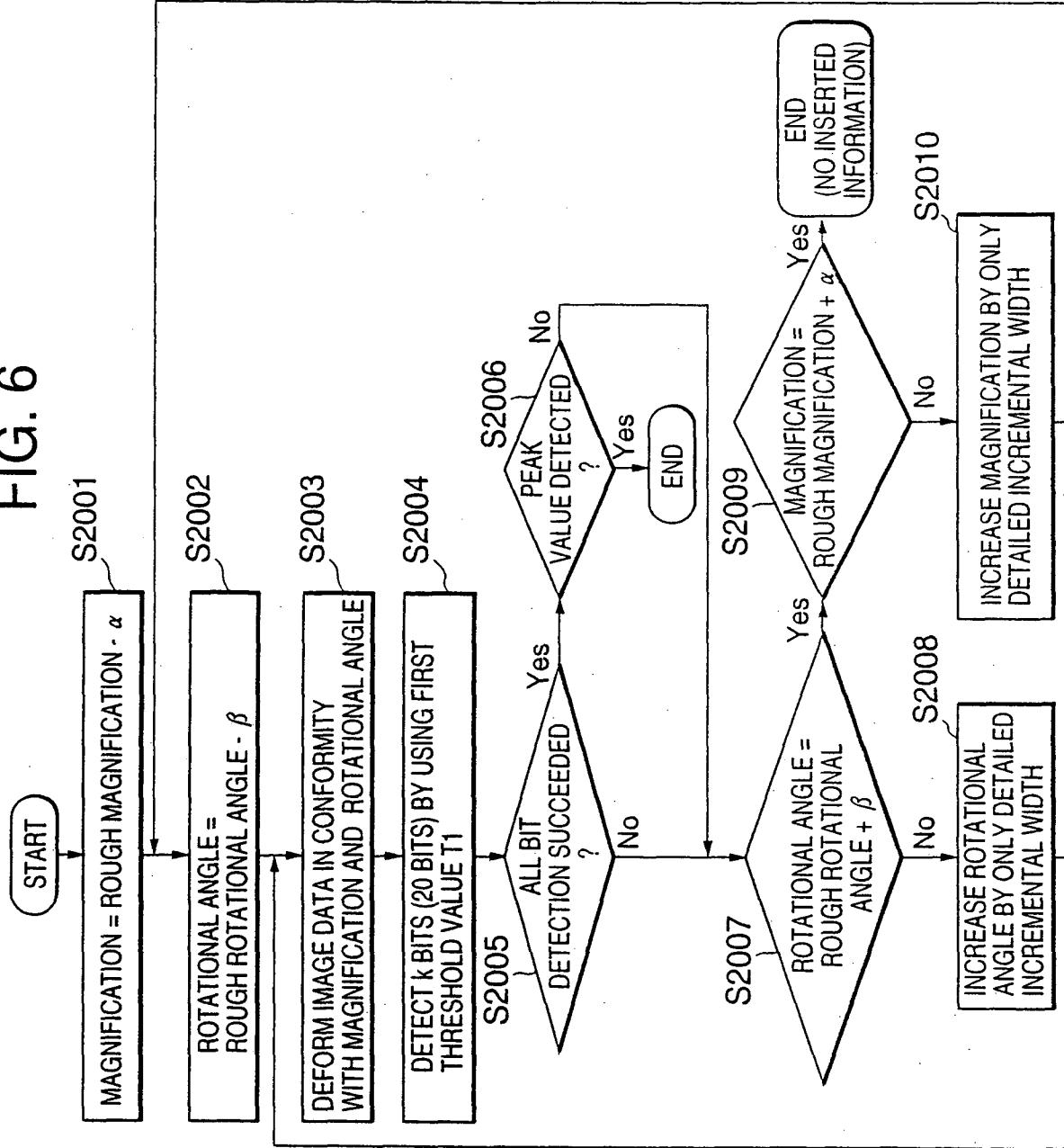


FIG. 7

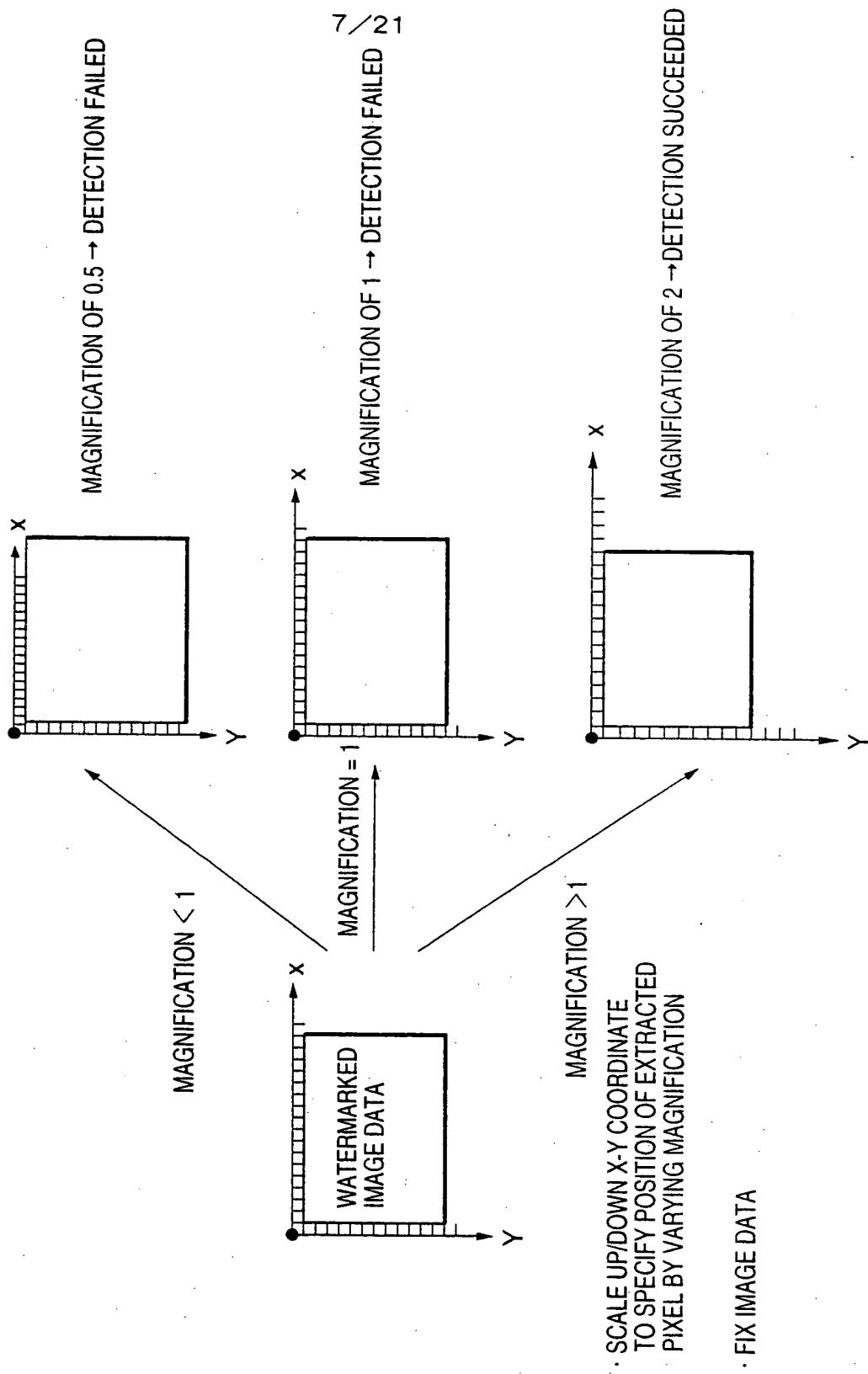


FIG. 8

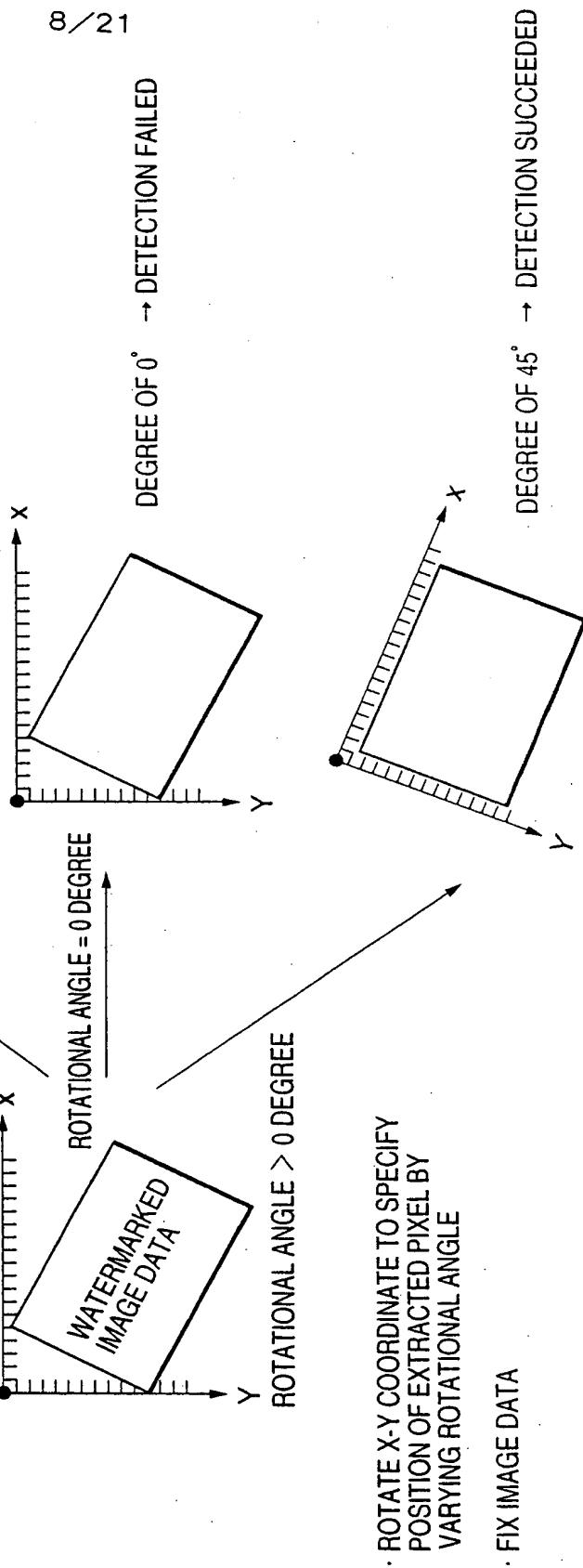


FIG. 9

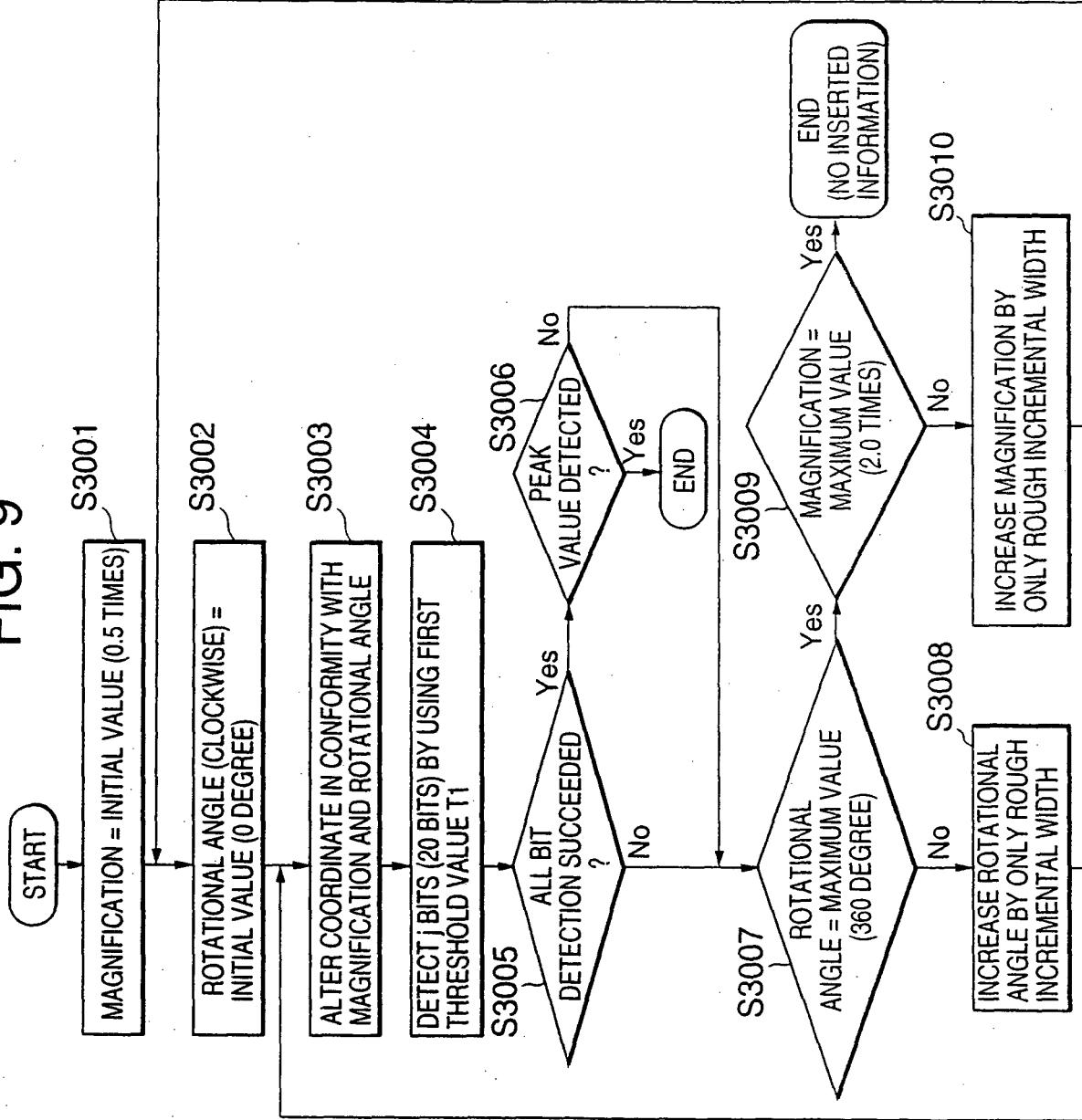


FIG. 10

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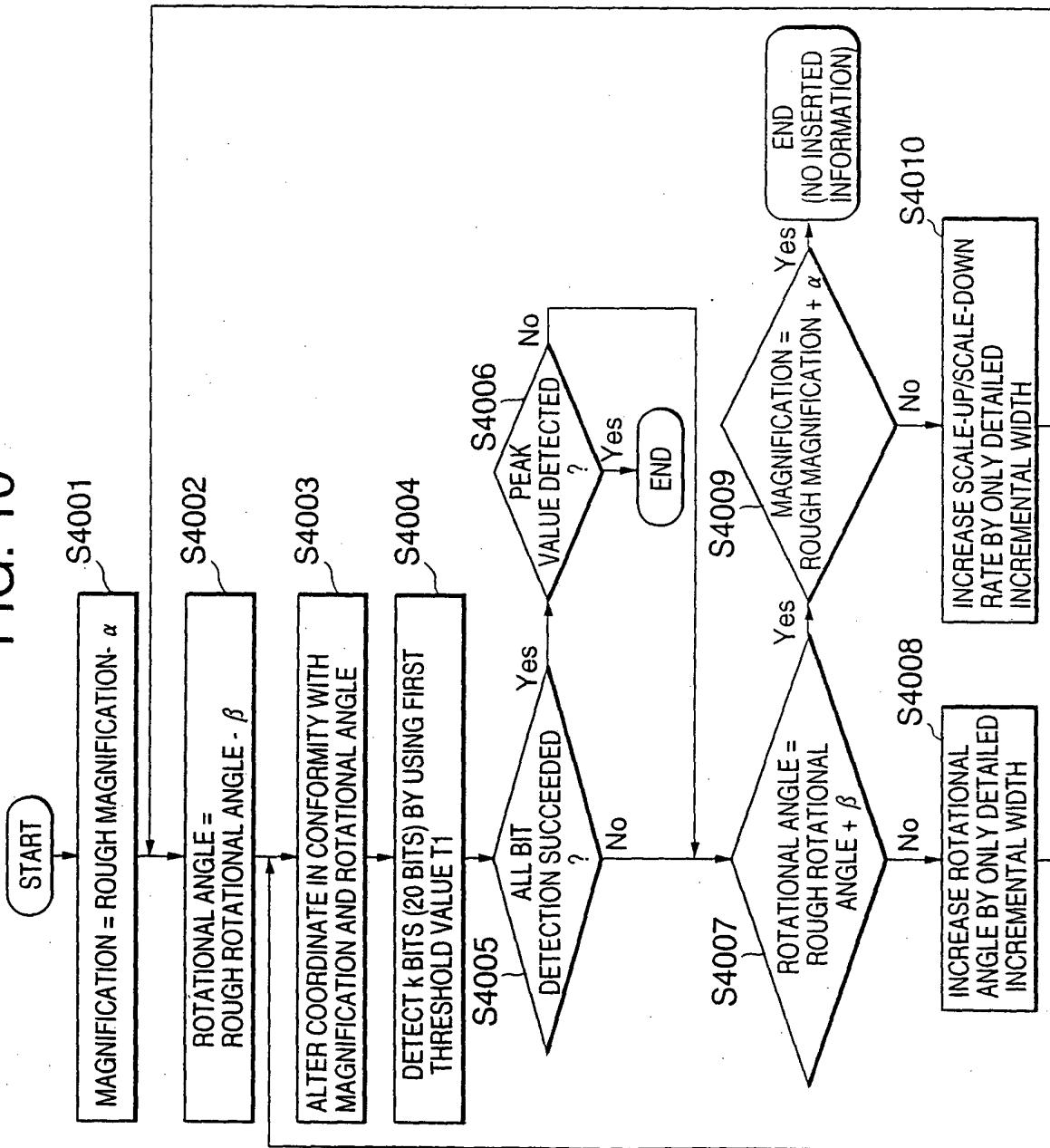
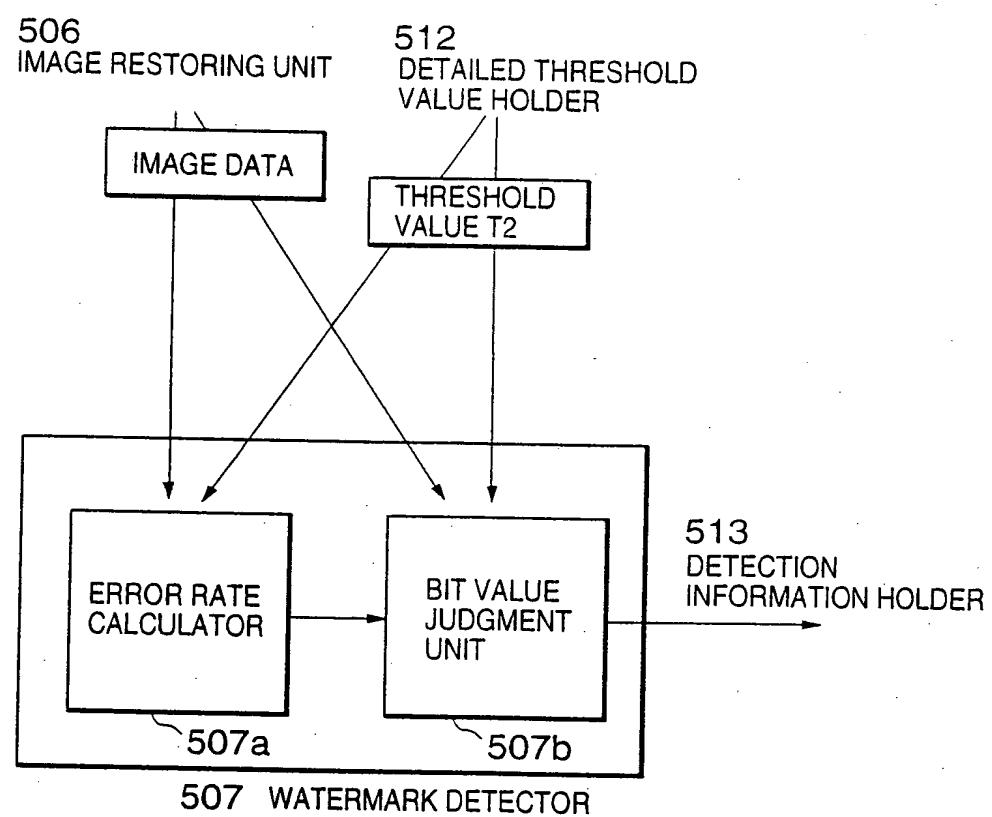


FIG. 11



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FIG. 12A

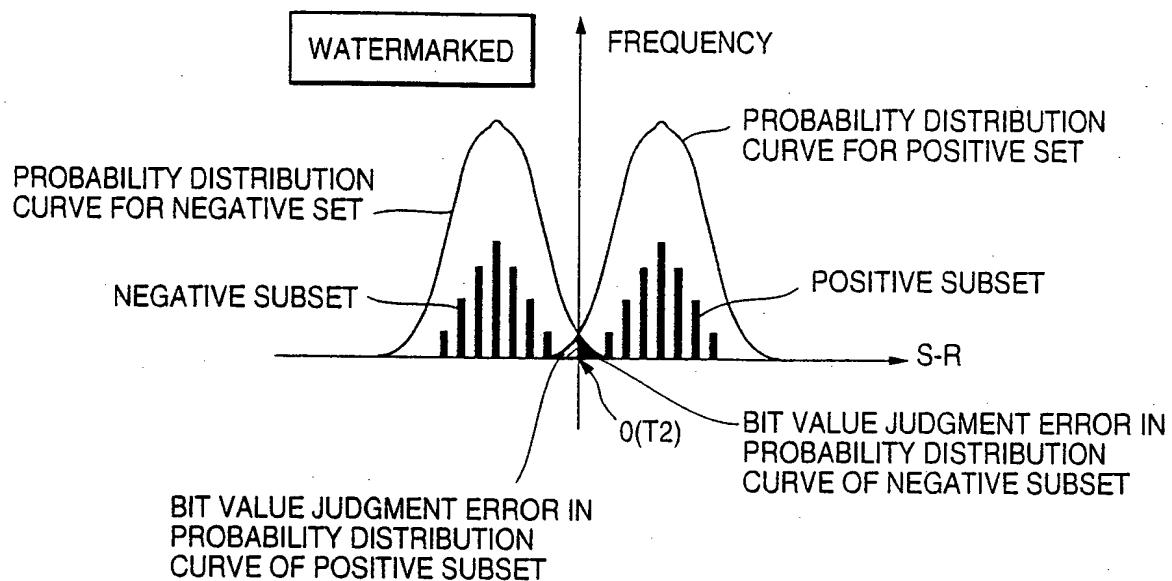


FIG. 12B

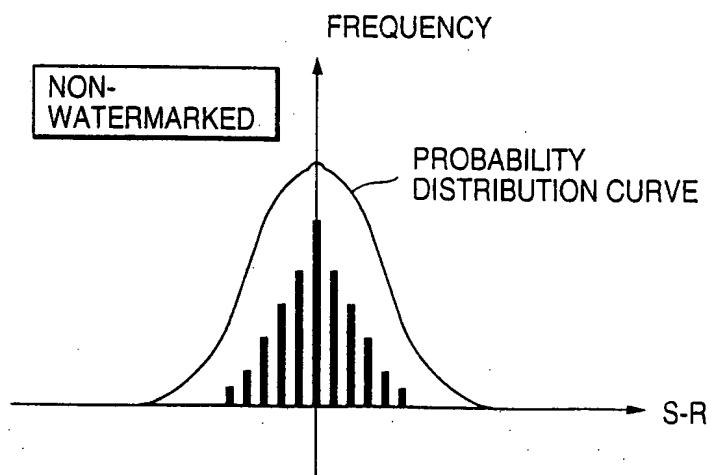


FIG. 13

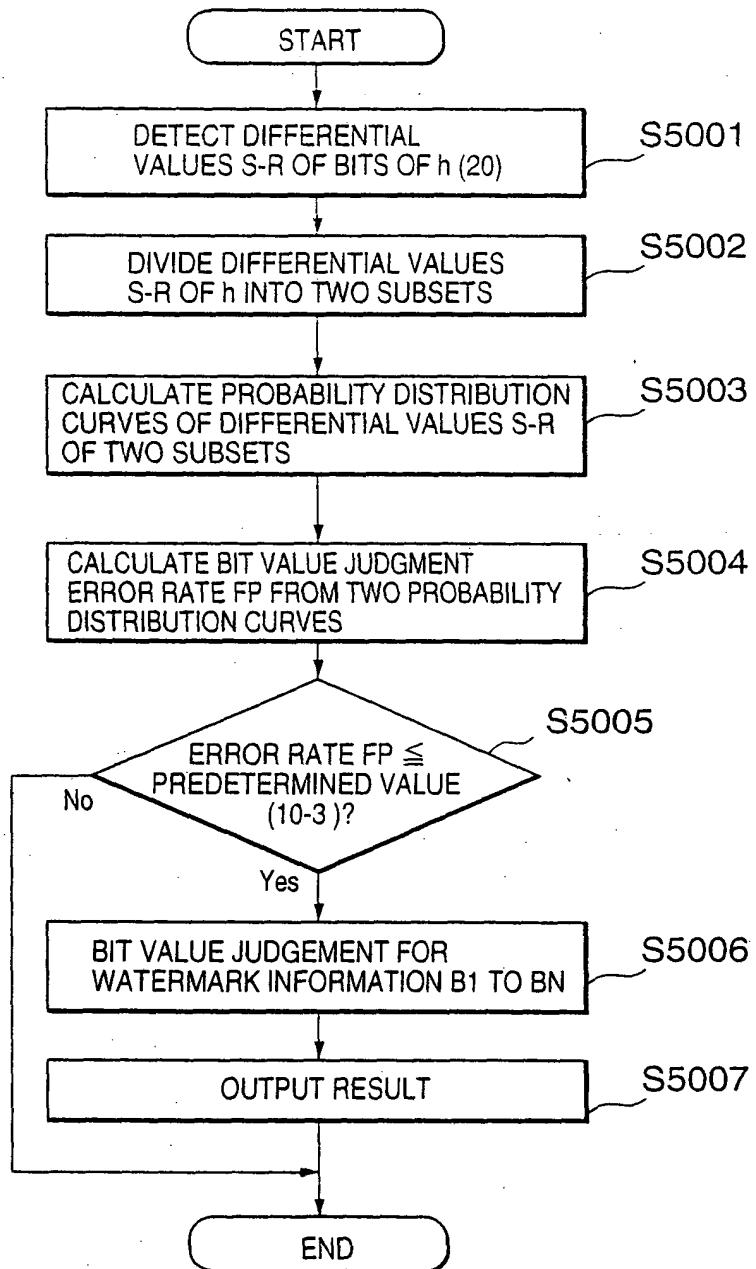


FIG. 14

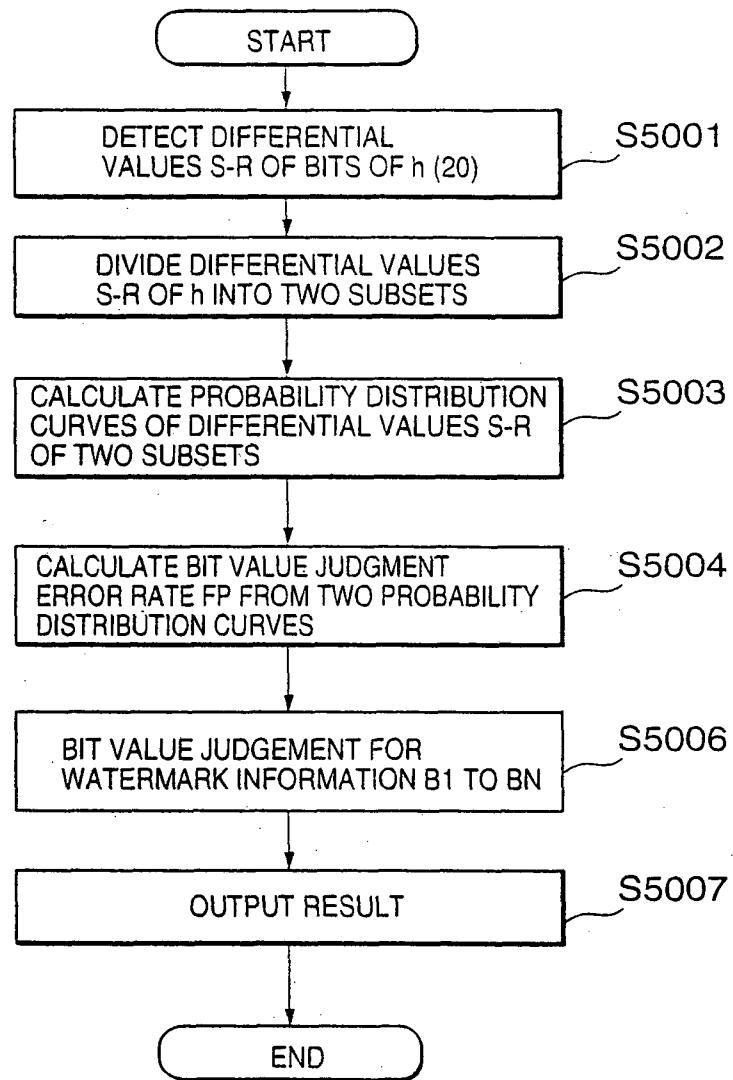


FIG. 15

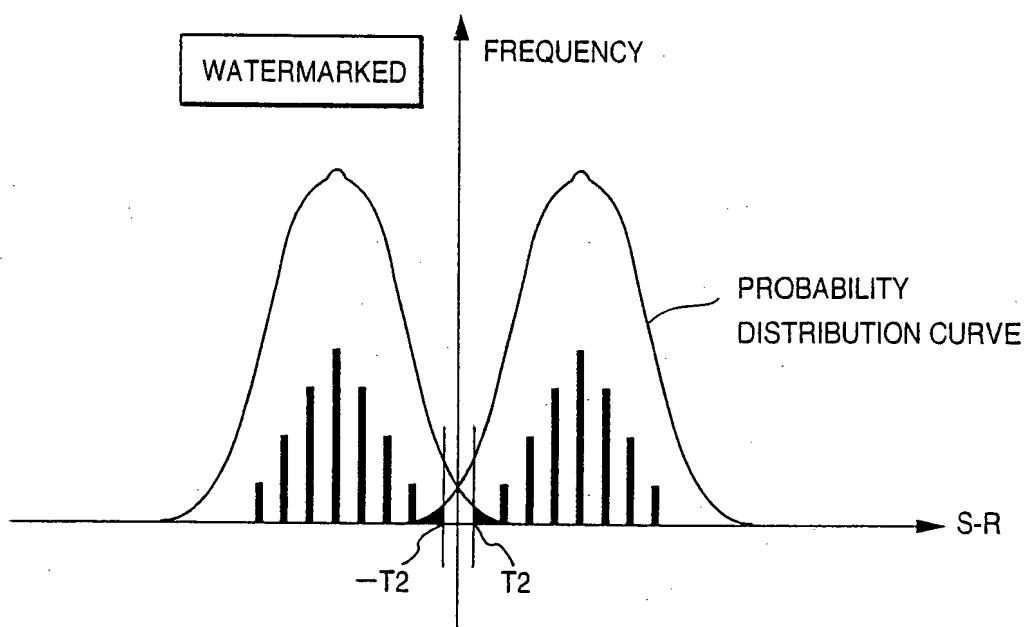


FIG. 16

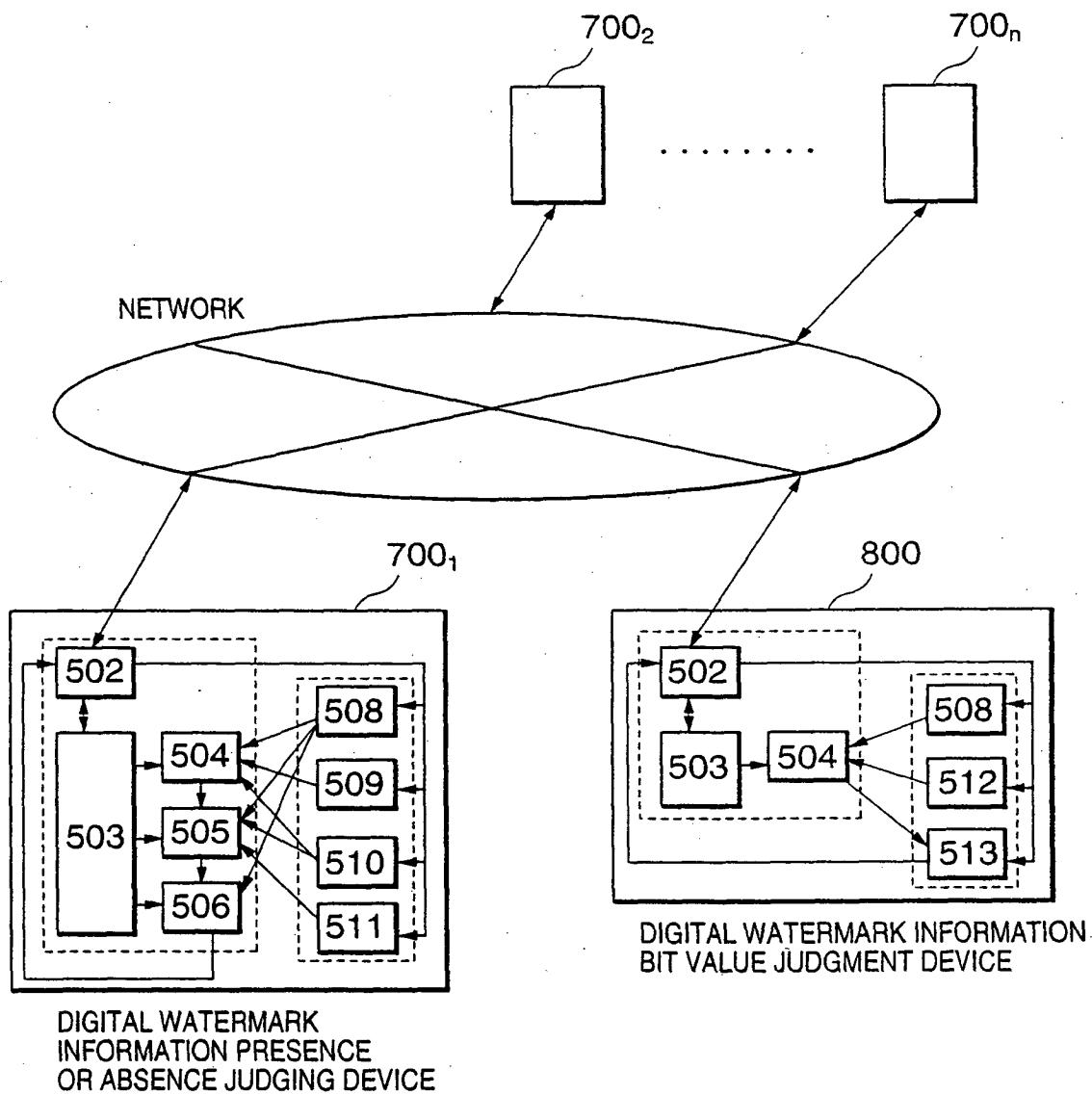
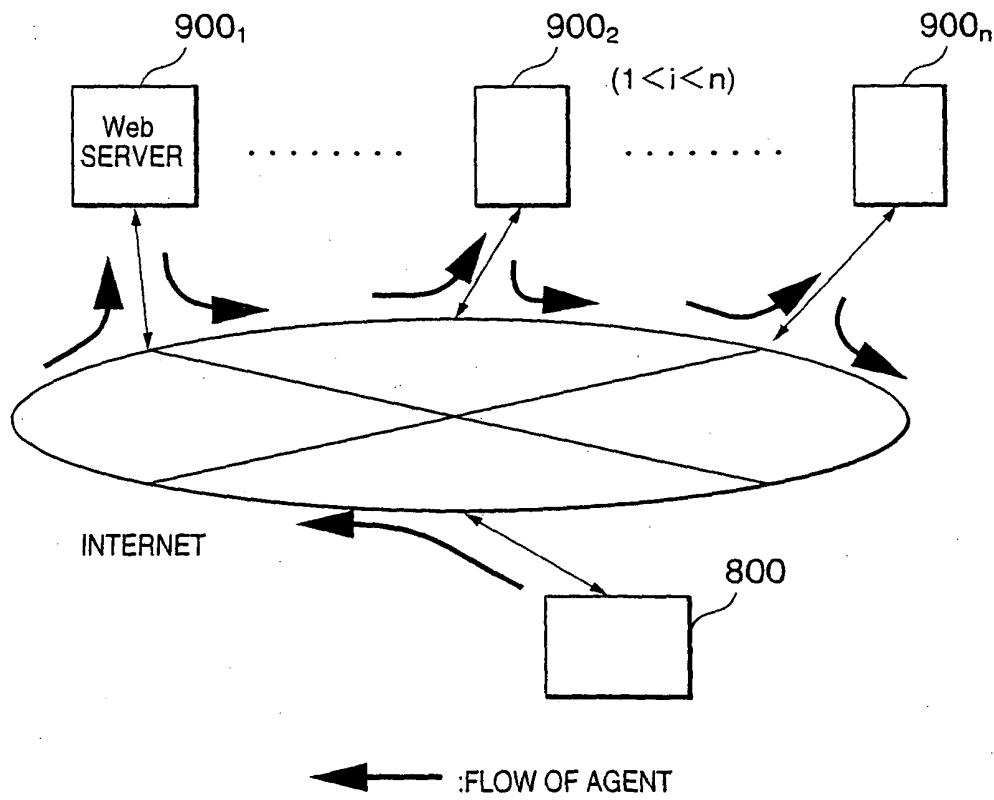


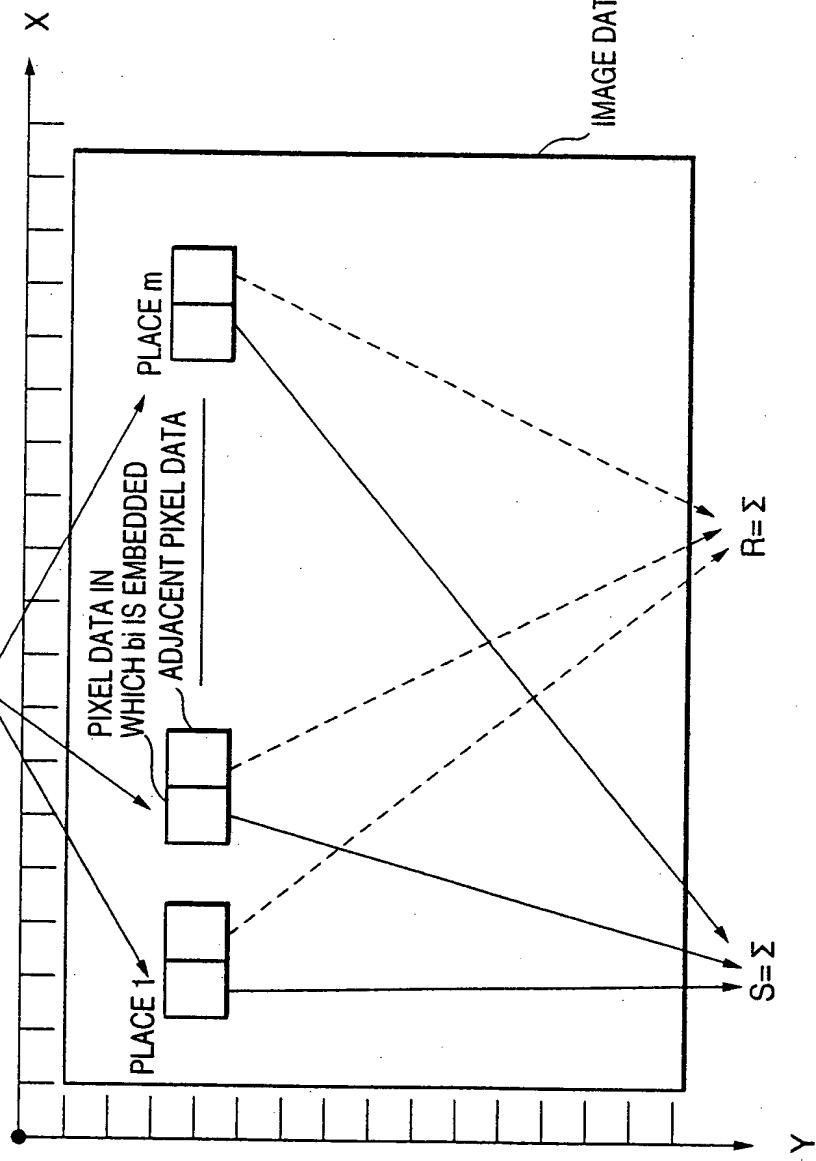
FIG. 17

SHIFT TO Web SERVER 900<sub>1</sub> TO BUILD UP WATERMARK PRESENCE OR ABSENCE JUDGMENT DEVICE 700<sub>1</sub>, AND WHEN THERE IS WATERMARK, BIT VALUE JUDGMENT IS REQUESTED TO BIT VALUE JUDGMENT DEVICE 800. AFTER PROCESSING IS FINISHED, SHIFT TO NEXT Web SERVER.



**FIG. 18**

If  $b_i = 1$ , BRIGHTNESS INCREASED, AND IF  $b_i = 0$ ,  
BRIGHTNESS IS REDUCED



JUDGMENT:  
 $S - R > T \rightarrow b_i = 1$  (T REPRESENTS POSITIVE THRESHOLD VALUE)  
 $S - R < -T \rightarrow b_i = 0$   
 $-T < S - R < T \rightarrow$  NO WATERMARK EMBEDDED

FIG. 19

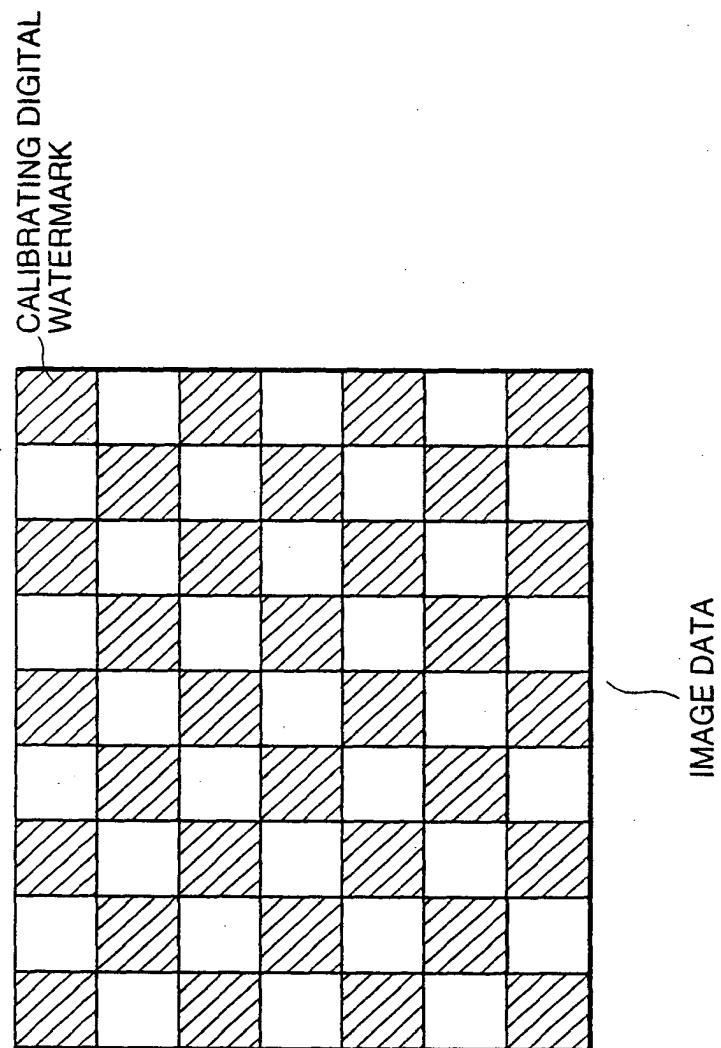


FIG. 20

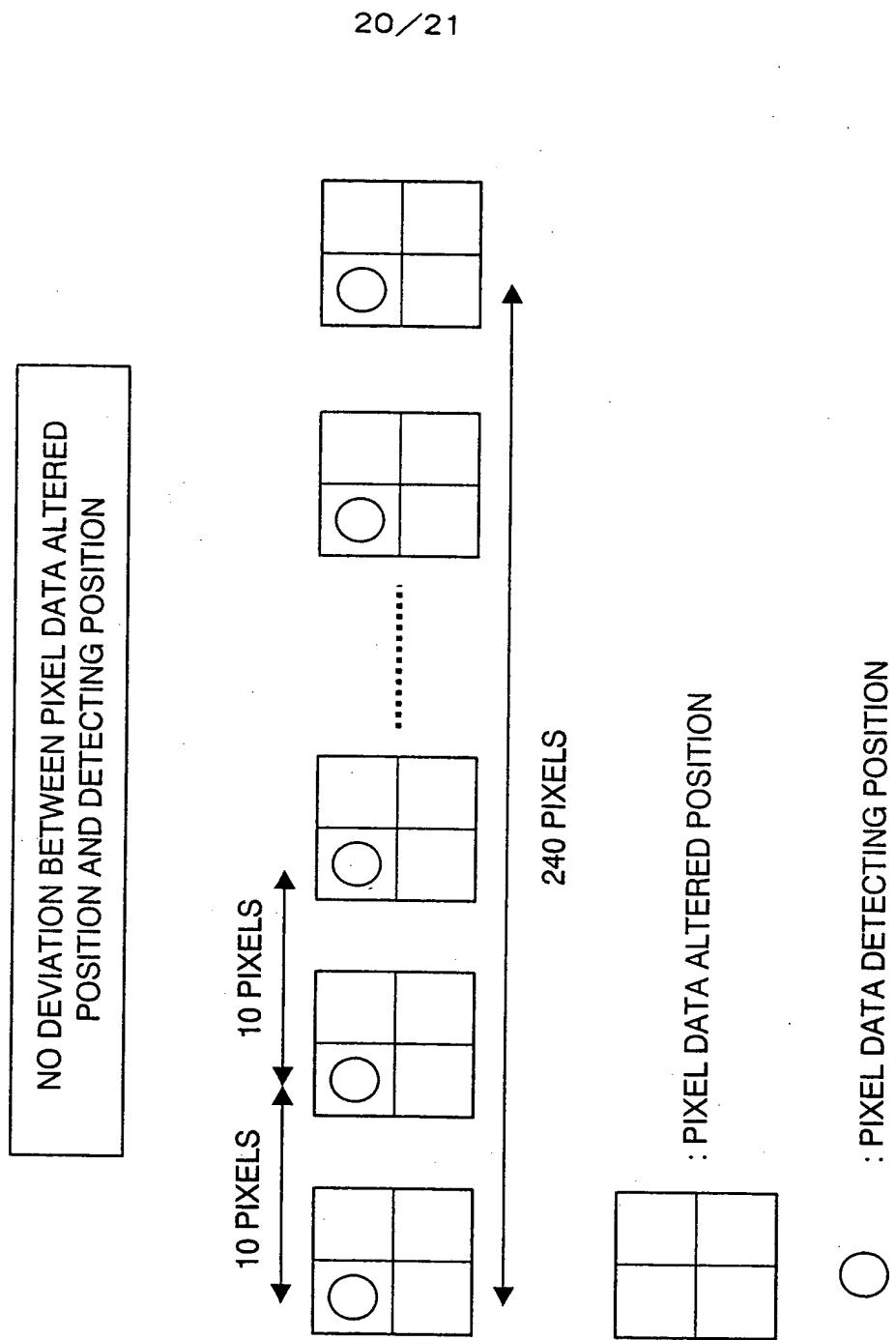


FIG. 21

